



MD 27 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION

APS NOTES:

1. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
2. THE 10' MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
3. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
4. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09, SEC. 4E.10, FIG. 4E-3, FIG. 4E-4, AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
5. APS WILL FUNCTION AS FOLLOWS:

TO CROSS MD 27 AT BRINK ROAD

- A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS RIDGE AT BRINK, WAIT."
B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS BRINK ROAD AT MD 27

- A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS BRINK AT RIDGE, WAIT."
B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

GEOMETRIC CONSTRUCTION DETAILS:

- A. INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12) WITH A DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
- B. INSTALL COMBINATION SIDEWALK RAMP (STANDARD NO. MD 655.13) WITH A DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
- C. INSTALL CUT-THROUGH WALKWAY (STANDARD NO. MD 655.21) WITH DETECTABLE WARNING SURFACES (STANDARD NO. MD 655.40).
- D. INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER 12" GUTTER PAN AND 8" DEPTH (STANDARD NO. MD 620.02) (ELEVATION OF CURB TO MATCH SIDEWALK GRADE).
- E. INSTALL STANDARD TYPE A CURB, 8" DEPTH (STANDARD NO. MD 620.02) (ELEVATION OF CURB TO MATCH SIDEWALK GRADE).
- F. BEGIN 12:1 RAMP.
- G. 48:1 LEVEL LANDING AREA.
- H. TIE IN RAMP WITH EXISTING SIDEWALK AT JOINT.
- J. TIE NEW CURB TO EXISTING CURB AT JOINT.
- K. BACKFILL WITH SEED AND MULCH.
- L. INSTALL 5" CONCRETE SIDEWALK.
- M. MATCH THE PROPOSED CURB HEIGHT TO EXISTING CONCRETE BORDER OF HANDHOLE.

GEOMETRIC LEGEND	
-----	EXISTING
=====	PROPOSED

UTILITY LEGEND	
SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC CABLES

GEOMETRIC LEGEND	
-----	EXISTING SIDEWALK/CURB JOINT (APPROXIMATE)
=====	NEW SIDEWALK AND ADA HANDICAP RAMP
=====	NEW CONCRETE
=====	SEED AND MULCH

LEGEND SYMBOL	
⊙	18" PED POLE FOUNDATION
---	CONDUIT RUN

BAI	BRUDIS & ASSOCIATES, INC. Consulting Engineers 9340 Rumsey Road, Suite C Columbia, Maryland 21045 Phone 410-484-3607 www.brudis.com
------------	---

SHA	STATE OF MARYLAND			
	DEPARTMENT OF TRANSPORTATION			
	STATE HIGHWAY ADMINISTRATION			
	OFFICE OF TRAFFIC & SAFETY			
	TRAFFIC ENGINEERING DESIGN DIVISION			
	MD 27 (RIDGE ROAD) AT			
	BRINK ROAD			
	GERMANTOWN, MD			
GEOMETRIC PLAN SHEET				
SCALE 1" = 10' ADVERTISED DATE 03/2013 CONTRACT NO. XY1515185				
DESIGNED BY DM		COUNTY MONTGOMERY		
DRAWN BY DM		LOGMILE 15002700.54		
CHECKED BY RM		TIMS NO. L711		
F.A.P. NO.		TOD NO.		
TS NO. 2200-D	DRAWING	SG - 2	OF 2	SHEET NO. 2 OF 3